

THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Stephen Palm

Group Art Unit: 2631

Appl. No. : 09/473,683

Examiner: P. KUMAR

Filed : December 29, 1999

For : ACTIVATION OF MULTIPLE xDSL MODEMS WITH HALF DUPLEX
AND FULL DUPLEX PROCEDURES

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
RECEIVED

Commissioner for Patents
Alexandria, VA 22313-1450

DEC 24 2003

Technology Center 2600

Sir:

In accordance with the duty of disclosure under C.F.R. §1.56, §1.97-1.98,

Applicant hereby calls the following information to the Examiner's attention:

(1) ITU-T recommendation G.994.1 ("Handshake Procedures For Digital Subscriber Line (DSL) Transceivers"), published by the International Telecommunication Union in February, 2001.

A copy of a European Search Report mailed in related European Patent Application No. 03007777.0-2415 on October 11, 2003 is enclosed, in which the following documents are cited:

(2) ITU-T Recommendation V.8 bis ("Procedures for the Identification and Selection of Common Modes of Operation Between Data Circuit-Terminating Equipments (DCEs) and Between Data Terminal Equipments (DTEs) Over the General Switched Telephone Network and On Leased Point-to-Point Telephone-Type Circuits"), published by the International

Telecommunication Union in August, 1996, was cited by the European Examiner as a category "X" document (particularly relevant if taken alone), and a category "D" document (cited in the application), with respect to the European application;

(3) International Publication Number WO 98/10545, entitled "Improvements In, or relating to, Multi-Carrier Transmission Systems", published on March 12, 1998, was cited by the European Examiner as a category "A" document (disclosing the state of the art) with respect to the European application;

(4) An article by F. MESCAM, entitled "Introduction A La Procedure De Transmission HDLC", published at pages 69-73 of L'Onde Electrique, vol. 53, no. 2 (February, 1973), was cited by the European Examiner as a category "A" document (disclosing the state of the art) with respect to the European application; and

(5) An articled by H. OHBA et al., entitled "End-to-End Protocol Based On CCITT X.25 and Its Implementation", published at pages 281-287 of Evolutions In Computer Communications, Kyoto September 26-29, 1978, International Conference On Computer Communication, Tokyo, Japan, vol. CONF. 4, September 1978.

A copy of a European Search Report mailed in related European Patent Application No. 03007773.9-2415 on October 11, 2003 is enclosed, in which the following documents are cited:

(6) ITU-T Recommendation V.8 bis ("Procedures for the Identification and Selection of Common Modes of Operation Between Data Circuit-Terminating Equipments (DCEs) and

Between Data Terminal Equipments (DTEs) Over the General Switched Telephone Network and On Leased Point-to-Point Telephone-Type Circuits"), published by the International Telecommunication Union on August, 1996, was cited by the European Examiner as a category "X" document (particularly relevant if taken alone), and a category "D" document (cited in the application), with respect to the European application;

(7) U.S. Patent 5,493,609 to DAVIS et al., which issued on February 20, 1996 was cited by the European examiner as a category "A" document; and

(8) An articled by K. KRECHMER at pages 63, 64 and 66 of Data Communications, McGraw Hill, NY, vol. 23, no. 2 (January 21, 1994), entitled "V.34 Modems: Off to a Fast Start?", was cited by the European Examiner as a category "A" document with respect to the European application.

A copy of a European Search Report mailed in related European Patent Application No. 03007771.3-2415 on October 29, 2003 is enclosed, in which the following documents are cited:

(9) European Patent Application No. EP 0 974 202 and International Publication No. WO 99/35756, published on July 15, 1999 was cited by the European Examiner as being a category "E" document (earlier patent document, but published on or after the filing date) with respect to the European application;

(10) European Patent Application no. EP 0 820 168, published on January 21, 1998, was cited by the European Examiner as being a category "X" document with respect to the

European application. Applicant notes that U.S. Patent 6,002,722 to WU, which issued on December 14, 1999 is a family member patent;

- (11) U.S. Patent 5,479,447 to CHOW et al., which issued on December 26, 1995, was cited by the European Examiner as being a category "X" document with respect to the European application; and
- (12) U.S. Patent 4,679,227 to HUGHES-HARTOGS, which issued on July 7, 1987, was cited by the European Examiner as being a category "A" document with respect to the European application.

A copy of a European Search Report mailed in related European Patent Application No. 03007772.1-2415 on October 11, 2003 is enclosed, in which the following documents are cited:

- (13) ITU-T Recommendation V.8 bis ("Procedures for the Identification and Selection of Common Modes of Operation Between Data Circuit-Terminating Equipments (DCEs) and Between Data Terminal Equipments (DTEs) Over the General Switched Telephone Network and On Leased Point-to-Point Telephone-Type Circuits"), published by the International Telecommunication Union on August, 1996, was cited by the European Examiner as a category "X" document (particularly relevant if taken alone), and a category "D" document (cited in the application), with respect to the European application;
- (14) U.S. Patent 5,493,609 to DAVIS et al., which issued on February 20, 1996 was cited by the European Examiner as a category "A" document; and

(15) An article by K. KRECHMER at pages 63, 64 and 66 of Data Communications, McGraw Hill, NY, vol. 23, no. 2 (January 21, 1994), entitled "V.34 Modems: Off to a Fast Start?", was cited by the European Examiner as a category "A" document with respect to the European application.

A copy of a European Search Report mailed in related European Patent Application No. 99914300.1 on October 28, 2003 is enclosed, in which the following documents are cited:

(16) European Patent Application No. EP 0 974 202, published on January 26, 2000 and International Publication No. WO 99/35756, published on July 15, 1999, were cited by the European Examiner as a category "E" document with respect to the European Application;

(17) European Patent Application No. EP 0 820 168, published on January 21, 1998, was cited by the European Examiner as being a category "X" document and a category "Y" document (relevant if combined with another document of the same category) with respect to the European application. Applicant notes that U.S. Patent 6,002,722 to WU, which issued on December 14, 1999 is a family member patent; and

(18) U.S. Patent 5,644,573 to JACOBSEN et al., which issued on July 1, 1997, was cited by the European examiner as a category "Y" document with respect to the European application.

An English language translation of a Chinese Decision of Rejection mailed on

October 10, 2003 in related Chinese Application No. 00800814.0 is enclosed, in which the following documents are cited:

- (19) U.S. Patent 5,463,382 to NIKAS et al., which issued on October 31, 1995; and
- (20) U.S. Patent 5,377,188 to SEKI, which issued on December 27, 1994.

A copy of a Canadian Office Action mailed on October 9, 2003 in related Canadian Patent Application 2,322,581 is enclosed, in which the following documents are cited:

- (21) Canadian Patent No. 2,027,230 to YANG et al., which issued on April 12, 1991;
- (22) Canadian Patent No. 2,111,543 to SCOTT, which issued on June 18, 1994; and
- (23) U.S. Patent 5,349,635 to SCOTT, which issued on September 20, 1994.

An English language translation of a Chinese Office Action mailed on November 13, 2003 in Chinese Patent Application No. 99803805.9 is enclosed, in which the following document is cited:

- (24) U.S. Patent 4,897,831 to NEGI et al., which issued on January 30, 1990.

Applicant notes that items (10), (11) and (17) to (24) previously cited in the instant application. Therefore, copies of those documents are not enclosed herewith.

The relevance and pertinent portions of the above-noted documents are as noted in attached copies of the above-noted materials.

Applicant respectfully requests that the Examiner consider and cite the patent documents. The above-cited documents have been listed on a PTO-1449 Form which is attached hereto. The Examiner is requested to initial the appropriate spaces on the attached

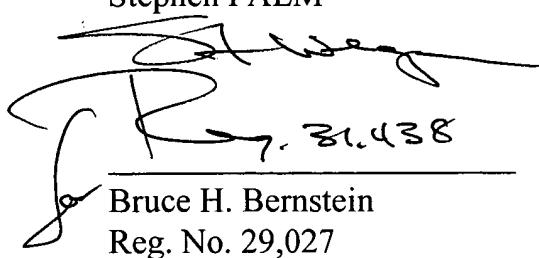
PTO-1449 Form and to return a copy of the Form to the Applicant with the next official communication in the present application to confirm consideration of these documents.

Since this Supplemental Information Disclosure Statement is being submitted subsequent to the issuance of an Office Action on the merits, a check including the amount of \$180.00 to cover the fee set forth in 37 C.F.R. § 1.17(p) is being submitted herewith in accordance with 37 C.F.R. § 1.97(d)(2) to ensure consideration of the submitted materials. However, the Commissioner is hereby authorized to charge payment of any necessary additional fees associated with this communication or credit any overpayment to Deposit Account No. 19-0089.

Should there be any questions, the Examiner is invited to contact the undersigned at the below-listed number.

December 19, 2003
GREENBLUM & BERNSTEIN, P.L.C.
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Reston, VA 20191
(703) 716-1191

Respectfully submitted,
Stephen PALM



Stephen Palm
J. B. Bernstein
Reg. No. 29,027